

<b>TRANSMITTAL LETTER TO THE UNITED STATES</b>		ATTORNEY'S DOCKET NUMBER 116676-006
<b>DESIGNATED/ELECTED OFFICE (DO/EO/US)</b>		U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
<b>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		<b>10/531659</b>
INTERNATIONAL APPLICATION NO. PCT/EP2003/011436	INTERNATIONAL FILING DATE 15 October 2003	PRIORITY DATE 15 October 2002
TITLE OF INVENTION <b>NUCLEIC ACIDS CODING FOR ADHESION FACTOR OF GROUP B STREPTOCOCCUS, ADHESION FACTORS OF GROUP B STREPTOCOCCUS AND FURTHER USES THEREOF</b>		
APPLICANT(S) FOR DO/EO/US <b>Reinscheid et al.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. <del>371 (c)(3)</del>) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> </ol>		
<b>Items 11 to 20 below concern document(s) or information</b>		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <b>International Search Report; Copy of Article 34 Amendment; Express Mail Label No. EV 552894767 US; Return Receipt Postcard</b></li> </ol>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 101.11)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
10/531659		PCT/EP2003/011436		116676-006	

21. The following fees are submitted:

	Applicant use	Office use only
<input checked="" type="checkbox"/> a) Basic national fee . . . . . \$300.00	\$ 300.00	
<input checked="" type="checkbox"/> b) Examination fee . . . . . \$200.00	\$ 200.00	
<input checked="" type="checkbox"/> c) Search fee . . . . . \$500.00	\$ 500.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>	<b>\$1000.00</b>	

☒ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round-up to a whole)	RATE	
155 - 100 =	55 /50 =	2	x \$250.00	\$ 500.00

Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total claims	43 - 20 =	23	x \$50.00	\$ 1,150.00
Independent claims	6 - 3 =	3	x \$200.00	\$ 600.00
Multiple Dependent Claims (if applicable)		<input checked="" type="checkbox"/>	+ \$360.00	\$ 360.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 3,610.00</b>

☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

**SUBTOTAL = \$ 1,805.00**

Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).

**TOTAL NATIONAL FEE = \$ 1,805.00**

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per Rep'n. Ref: 10/19/2005 VALVARAD 0018240700

**TOTAL FEES ENCLOSED = \$ 1,805.00**

FC: 9204

Amount to be refunded: \$

Amount to be charged: \$

a. ☒ A check in the amount of \$1,805.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

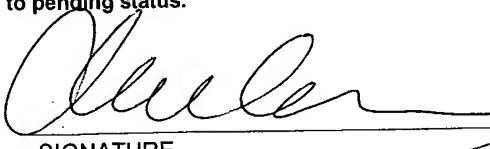
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account 02-1818. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Dean H. Nakamura, Esq.  
Bell, Boyd & Lloyd LLC  
P.O. Box 1135  
Chicago, Illinois 60690-1135

  
SIGNATURE

\_\_\_\_\_  
NAME

33,981  
REGISTRATION NUMBER

10/531659  
1613 Rec'd PCT/PTO 15 APR 2003  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Reinscheid et al.  
Appl. No.: Unknown  
Filed: Herewith  
Title: NUCLEIC ACIDS CODING FOR ADHESION FACTOR OF GROUP B  
STREPTOCOCCUS, ADHESION FACTORS OF GROUP B STREPTOCOCCUS AND  
FURTHER USES THEREOF  
Art Unit: Unknown  
Examiner: Unknown  
Docket No.: 116676-006

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING BY EXPRESS MAIL UNDER 37 CFR 1.10**

Sir:

I hereby certify that the following documents relating to the above-identified application:

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning A Submission Under 35 U.S.C. 371 (duplicate);
2. Copy of Specification (108 pages);
3. Copy of Formal Drawings (47 pages);
4. Copy of Sequence Listing (70 pages);
5. Computer-Readable Form of Sequence Listing;
6. Declaration and Power of Attorney (4 pages);
7. Copy of Article 34 Amendment;
8. Information Disclosure Statement;
9. PTO Form 1449;
10. International Search Report;
11. 9 References;
12. Check in the Amount of \$1,805.00; and
13. Return Receipt Postcard.

Appl. No. Unknown

are being deposited with the United States Postal Service with sufficient postage as Express Mail  
in an envelope addressed to:

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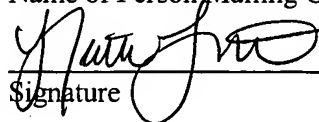
on 15 April 2005.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

Heather Foster

Name of Person Mailing Correspondence



Signature

EV 552894767 US

Express Mail Mailing Label Number